Claims

[c1]   What is claimed is:

1.A method of detecting and eliminating errors in application data stored in a section of a memory of an electronic device, the method comprising:

providing an application program containing an error checking algorithm in the electronic device;

starting the application program to access the application data;

executing the error checking algorithm to check for errors in the application data; and

erasing the application data if the error checking algorithm detects an error in the application data.

[c2]   2.The method of claim 1 wherein only the application data accessed by the application program is erased if the error checking algorithm detects the error in the application data.

[c3]   3.The method of claim 1 wherein the section of the memory is reset to an initial status after the application data is erased from the section of the memory.

[c4]   4.The method of claim 1 wherein the electronic device is

restarted after the application data is erased.

[c5]   5.The method of claim 1 wherein the error checking al-
gorithm determines the error in the application data to
be a logical error.

[c6]   6.The method of claim 1 wherein the memory is a non-
volatile memory.

[c7]   7.The method of claim 6 wherein the memory is a flash
memory.

[c8]   8.The method of claim 1 wherein the electronic device is
a mobile phone.

[c9]   9.The method of claim 1 wherein the electronic device is
a personal digital assistant (PDA).

[c10]   10.The method of claim 1 wherein the electronic device
is a computer.